

PTO-1449 Information Disclosure Citation In an Application	Application No. 10/028,009	Applicant(s) Paul E. Doucette, et al.
	Docket Number 004578.1147	Group Art Unit Unknown

MAR 08 2002

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A	3,887,918	06/03/1975	Bailey			
B	4,688,045	08/18/1987	Knudsen			
C	4,749,995	06/07/1988	Hopwood, et al.			
D	4,886,069	12/12/1989	O'Donnell			
E	5,084,708	1/28/1992	Champeau, et al.			
F	5,223,843	06/29/1993	Hutchinson			
G	5,271,034	12/14/1993	Abaunza			
H	5,414,433	05/09/1995	Chang			
I	5,461,389	10/24/1995	Dean			
J	5,764,187	06/09/1998	Rudish, et al.			
K	5,943,010	08/24/1999	Rudish, et al.			
L	6,031,485	02/29/2000	Cellai, et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
M	2 130 798 A	06/06/1984	UK			--	
N	2 313 711 A	12/03/1997	UK			--	
O	WO-01/67548 A2	09/13/2001	PCT			--	
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Q							

DOCUMENT (Including Author, Title, Source, Pertinent Pages, and Date)

R	Thompson, Rick et al., "An 8-Bit 2-Gigasample/Second A/D Converter Multichip Module for Digital Receiver Demonstration on Navy AN/APG-145 E2-C Airborne Early Warning Aircraft Radar", IEEE Trans on CPMT Part B, vol. 21, No. 4, 11/1998, pp. 447-462.
S	Brinegar, C., et al. "Design of an Integrated RF Filter for the Direct Digitization Front End of a Dual GPS/GLONASS Software Radio Receiver", IEEE RAWCON '98 Proceedings, 8/1998, cover sheet and pp. 277-280.
T	Ho, K.C., et al., "A Digital Quadrature Demodulation System", IEEE Trans. on AES, Vol. 32, No. 4, 10/1996, pp. 1218-1227.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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			Filing Date December 21, 2001

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U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
x-1	U	6,052,085	04/18/2000	Hanson, et al.	/	/	
x-1	V	6,141,371	10/31/2000	Holmes, et al.	/	/	RECEIVED
x-1	W	6,191,735	02/20/2001	Schineller	/	/	SEP 06 2002
	X						Technology Center 2000
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	AA						
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	GG							
	HH							
	II							
	JJ							
	KK							

DOCUMENT (Including Author, Title, Source, Pertinent Pages, and Date)

x-1	LL	Brown, A. et al., "Digital Downconversion Test Results with a Broadband L-Band GPS Receiver", IEEE Digital Avionics Systems Conf. 10/1994, cover sheet and pp. 426-431.
x-1	MM	Eerola, V. et al., "Direct Conversion Using Lowpass Sigma-Delta Modulation", Proc. IEEE Int'l Symposium on Circuits and Systems, 5/1992, cover sheet and pp. 2653-2656.
x-1	NN	Steyskal, Hans, "Digital Beamforming at Rome Laboratory", Microwave Journal, U.S. Horizon House, Dedham, vol. 176, No. 2, 02/1996, pages 100, 104, 107-8, 110, 113-4, 116, 119-120, 122,-124, 126.

EXAMINER	DATE CONSIDERED
	8/6/05

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		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	OO						
	PP						<i>RECEIVED</i>
	QQ						<i>SEP 06 2002</i>
	RR						<i>Technology Center 2600</i>
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	AAA						<i>YES</i> <i>NO</i>
	BBB						
	CCC						
		DOCUMENT (Including Author, Title, Source, Pertinent Pages, and Date)					
X/	DDD	U.S. Serial No. 09/519,069 , filed March 3, 2000, entitled "DIGITAL PHASED ARRAY ARCHITECTURE AND ASSOCIATED METHOD", by inventor Gary A Frazier, text pages 1-31 and 3 drawing sheets. (Attorney Docket RAYT:009, case 37323).					
X/	EEE	Wong, A.C.C., "Radar Digital Beamforming", Standard Telecommunication Laboratories, Harlow, Essex, U.K., Military Microwaves Conference 1982, 10/20/83, cover sheet and pp. 287-294.					
X/	FFF	Caputi, William J., "Stretch: A Time-Transformation Technique", IEEE Transactions on Aerospace and Electronic Systems, Vol. AES-7, No. 2, March 1971, pp. 269-278.					
EXAMINER				DATE CONSIDERED			
<i>[Signature]</i>							
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PTO-1449	Application No. 10/028,009	Applicant(s) Paul E. Doucette, et al.
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		Filing Date December 21, 2001

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U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A	4,839,652	06/13/89	O'Donnell, et al.			
B	4,983,970	01/08/91	O'Donnell, et al			
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FOREIGN PATENT DOCUMENTS

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DOCUMENT (Including Author, Title, Source, Pertinent Pages, and Date)

R	U.S. Serial No. 09/567,543, filed May 5, 2000, entitled "PHASED ARRAY ANTENNA DATA RE-ALIGNMENT", by inventors G. Van Andrews, et al., 22 pages of text and 4 drawing sheets. (Attorney Docket No.004578.1005, 99E016).
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PTO-1449 Information Disclosure Citation in an Application	Application No. Unknown		Applicant(s) Doucette, Paul E., et al.	
	Docket Number 004578.1147	Group Art Unit Unknown	Filing Date 12/21/2001	

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
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M							
N							

NON-PATENT DOCUMENTS**DOCUMENT (Including Author, Title, Source, and Pertinent Pages)**

O	U.S. Patent Application Serial No. 09/478,035, filed January 5, 2000, by inventors James R. Toplicar et al., entitled "METHOD AND APPARATUS FOR A DIGITAL PHASED ARRAY ANTENNA". (Attorney References: 99E080; 004578.0985)
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PTO-1449  U.S. PATENT DOCUMENTS INFORMATION DISCLOSURE CITATION IN AN APPLICATION 2002-10-23	Application No. 10/028,009		Applicant(s) Paul E. Doucette, et al.	
	Docket Number 004578.1147	Group Art Unit Unknown	Filing Date December 21, 2001	

U.S. PATENT DOCUMENTS

DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A 5,517,529	05/14/96	Stehlik	—	—	—
B 6,160,505	12/12/00	Vaishampayan	—	—	—
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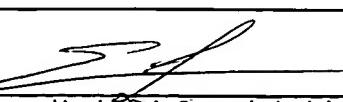
FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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DOCUMENT (Including Author, Title, Source, Pertinent Pages, and Date)

R	Brown, et al., "Digital L-Band Receiver Architecture With Direct RF Sampling", IEEE Position Location and Navigation Symposium, April 1994, pages 209-216 plus IEEE abstract sheet.
S	Song, William S., "A New 3-GSPS 65-GOPS UHF Digital Radar Receiver and Its Performance Characteristics", Thirty-First Asilomar Conference on Signals, Systems & Computers, November 1997, Vol. 2, pages 1542-1546 plus IEEE abstract sheet.
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	Docket Number 004578.1147	Group Art Unit 2821	Filing Date December 21, 2001	

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U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
A	5,475,392	12/12/95	Newberg, et al.	—	—	—
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FOREIGN PATENT DOCUMENTS

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Q						—	—

DOCUMENT (Including Author, Title, Source, Pertinent Pages, and Date)

R	Guirong, et al. "Mixer-free All Digital Quadrature Demodulation", IEEE Proceedings of the Fourth International Conference on Signal Processing (ICSP) , October 12, 1998, Vol. 2, pages 1704-1707 and an index sheet.
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